

Информация об изделии

Optical devices with CNC table Mar4D PLQ 3200-T3

Характеристики изделия

• Speed:

- Extremely fast, mechanical-optical workpiece alignment by means of a fully automatic centering and tilting table in combination with the matrix camera
- Axis movements with a unique speed of up to 200 mm/s
- Very fast and high-resolution matrix camera with a large field of view of 15x10 mm (WxH) in effective combination with innovative probe systems
- Joint evaluation of all collected measurement data via MarWin

№ детали: 5553203

• Productivity:

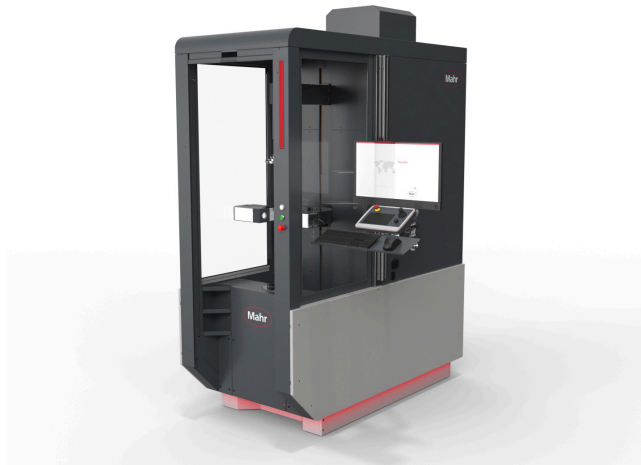
- Workpieces that were not manufactured between tips are simply clamped in the chuck
- Many different measuring functions combined in one device
- Flexible workpieces with up to D=210 mm, L=730 mm and 20 kg measured directly in production next to the production machines
- Increased measuring capacities and reduced waiting time

• Precision:

- Compensation of eccentrics of several millimeters to 1 µm in less than 30 seconds
- Integrated environmental controls, such as active temperature compensation of the device, ensure consistent measurement quality and significantly reduce waste

• User-friendliness:

- The ergonomic housing and interior design enables convenient and gentle operation for many hours
- Light curtains and interior monitoring protect people and measuring devices
- All devices are "robot-ready" and automation solutions, such as robot loading, can be implemented quickly and directly via our specialized MES department



Технические характеристики

Travel/measuring path X1 axis	200 mm
Pos./Meas. path Z-axis	730 mm
Positioning speed C-axis	0.2 - 60 1/min
Positioning speed X1 axis	0.5 - 200 mm/s
Positioning speed Z-axis	0.5 - 200 mm/s
Workpiece length max.	730 mm
Workpiece diameter max.	210 mm
Table load max.	20 kg
Error limit Length	MPE ≤ (2.4 + l/200) µm; 'l' in mm
Error limit diameter	MPE ≤ (1.3 + d/150) µm; 'd' in mm
Measured value resolution Length	0.01 - 0.0001 mm
Measured value resolution diameter	0.01 - 0.0001 mm
Angular resolution	0.01 - 0.0001 °
Рабочая температура	20 °C
Sensors	optical
Optical system	telecentric precision optics, image field approx. 15 x 10 mm (W x H)
Camera system	CMOS matrix camera
Special equipment	CNC table
Measuring computer	AIO PC or industrial AIO PC with UPS (each incl. Microsoft Windows 10 IoT LTSC)
Температура эксплуатации	10 °C to 35 °C
Температура при хранении и транспортировке	5 °C to 60 °C
Sound pressure level	<75 dB(A)
Влажность (текст)	max. 70 %; non-condensing
Mains voltage	90 – 240 V
Mains frequency	50/60 Hz
Потребляемая мощность	850 W
Transportation options	suitable for air freight
В комплекте поставки (текст)	PC holder